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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Thu Oct 11 16:15:29 EDT 2007

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Application No: 10713679 Version No: 2.1

Input Set:

Output Set:

Started: 2007-10-11 16:14:35.425  
Finished: 2007-10-11 16:14:40.439  
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 14 ms  
Total Warnings: 108  
Total Errors: 224  
No. of SeqIDs Defined: 108  
Actual SeqID Count: 108

| Error code | Error Description                                    |
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| W 213      | Artificial or Unknown found in <213> in SEQ ID (1)   |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (1) |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (1) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (2)   |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (2) |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (2) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (3)   |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (3) |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (3) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (4)   |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (4) |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (4) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (5)   |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (5) |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (5) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (6)   |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (6) |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (6) |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (7)   |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (7) |

**Input Set:**

**Output Set:**

**Started:** 2007-10-11 16:14:35.425  
**Finished:** 2007-10-11 16:14:40.439  
**Elapsed:** 0 hr(s) 0 min(s) 5 sec(s) 14 ms  
**Total Warnings:** 108  
**Total Errors:** 224  
**No. of SeqIDs Defined:** 108  
**Actual SeqID Count:** 108

| Error code | Error Description  |
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| E 257      | Invalid sequence data feature in <221> in SEQ ID (7)   |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (8)   |
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| W 213      | Artificial or Unknown found in <213> in SEQ ID (10)  |
| E 257      | Invalid sequence data feature in <221> in SEQ ID (10)<br>This error has occurred more than 20 times, will not be displayed |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (11)  |
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| W 213      | Artificial or Unknown found in <213> in SEQ ID (19)  |
| W 213      | Artificial or Unknown found in <213> in SEQ ID (20)<br>This error has occurred more than 20 times, will not be displayed   |



# SEQUENCE LISTING

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<120> Screening Methods to Identify Treatments for Autoimmune Disease

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<141> 2003-11-14

<150> US 60/426,590

<151> 2002-11-15

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<170> PatentIn version 3.3

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Leu Glu Val Asp  
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Leu Glu Ile Asp

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Leu Glu His Asp  
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<400> 46

Ala Ser Thr Asp  
1

<210> 47  
<211> 3  
<212> PRT  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> MOD\_RES  
<222> (1)..(1)  
<223> Ala is Z-Ala

<220>  
<221> MOD\_RES  
<222> (3)..(3)  
<223> Asp is Asp-CH<sub>2</sub>Cl

<400> 47

Ala Ala Asp  
1

<210> 48  
<211> 4  
<212> PRT  
<213> Artificial

<220>  
<223> synthetic

<220>  
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<223> ACETYLTATION

<220>  
<221> MOD\_RES  
<222> (4)..(4)  
<223> Asp is Asp-CHO

<400> 48

Ile Glu Thr Asp  
1

<210> 49  
<211> 4  
<212> PRT  
<213> Artificial

<220>  
<223> synthetic

<220>  
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<220>  
<221> MOD\_RES  
<222> (4)..(4)  
<223> Asp is Asp-CHO

<400> 49

Ile Glu Pro Asp  
1

<210> 50  
<211> 4  
<212> PRT  
<213> Artificial

<220>  
<223> synthetic

<220>  
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<223> Ala is Z-Ala

<220>  
<221> MOD\_RES  
<222> (2)..(2)  
<223> Glu is Glu(OMe)

<220>  
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<400> 50

Ala Glu Val Asp  
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<210> 51  
<211> 4  
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<220>  
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<223> ACETYLATION

<220>  
<221> MOD\_RES  
<222> (4)..(4)  
<223> Asp is Asp-CHO

<400> 51

Ala Glu Val Asp

1

<210> 52  
<211> 3  
<212> PRT  
<213> Artificial

<220>  
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<220>  
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<223> ACETYLATION

<220>  
<221> MISC\_FEATURE  
<222> (3)..(3)  
<223> Xaa = arginal, hemisulfate

<400> 52

Leu Leu Xaa

1

<210> 53  
<211> 3  
<212> PRT  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> MOD\_RES  
<222> (3)..(3)  
<223> Asp is Asp-AFC

<400> 53

Val Ala Asp

1

<210> 54

<211> 7

<212> PRT

<213> Artificial

<220>

<223> synthetic

<220>

<221> MOD\_RES

<222> (1)..(1)

<223> Asn is H-Asn

<400> 54

Asn Glu Ala Tyr Val His Asp

1 5

<210> 55

<211> 7

<212> PRT

<213> Artificial

<220>

<223> synthetic

<220>

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<223> Tyr is Dabcy1-Tyr

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<222> (7)..(7)

<223> Val is Val-EDANS

<400> 55

Tyr Val Ala Asp Ala Pro Val

1 5

<210> 56

<211> 4

<212> PRT

<213> Artificial

<220>

<223> synthetic

<220>

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<222> (1)..(1)

<223> ACETYLATION

<220>

<221> MOD\_RES

<222> (4)..(4)

<223> Asp is Asp-AMC

<400> 56

Tyr Val Ala Asp

1

<210> 57

<211> 4

<212> PRT

<213> Artificial

<220>

<223> synthetic

<220>

<221> MOD\_RES

<222> (1)..(1)

<223> ACETYLATION

<220>

<221> MOD\_RES

<222> (4)..(4)

<223> Asp is Asp-pNA

<400> 57

Tyr Val Ala Asp

1

<210> 58

<211> 7

<212> PRT

<213> Artificial

<220>

<223> synthetic

<220>

<221> MOD\_RES

<222> (1)..(1)

<223> Tyr is MCA-Tyr

<220>  
<221> MOD\_RES  
<222> (7)..(7)  
<223> Lys is Lys(DNP)-OH

<400> 58

Tyr Val Ala Asp Ala Pro Lys  
1 5

<210> 59  
<211> 4  
<212> PRT  
<213> Artificial

<220>  
<223> synthetic

<220>  
<221> MOD\_RES  
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<223> Tyr is Z-Tyr

<220>  
<221> MOD\_RES  
<222> (4)..(4)  
<223> Asp is Asp-AFC

<400> 59